

P10-1331

**COMPANIES CALLED: SOCIETE DE TECHNOLOGIE MICHELIN
MICHELIN RECHERCHE ET TECHNIQUE S.A.**

**TITLE: TIRE WITH REINFORCEMENT STRUCTURE IN THE FORM OF
GROUPS**

ABSTRACT

- 10 A tire comprising at least one reinforcement structure of carcass type, a crown reinforcement, each bead being extended radially towards the outside by a sidewall, the sidewalls joining a tread radially towards the outside, the reinforcement structure comprising:
- 15 -a first filament forming on one hand at the level of the crown and the sidewalls a series of transverse portions extending substantially from one bead of the tire to the other, and on the other hand, at the level of the beads, U-shaped connections joining two successive transverse portions of the first filament,
 - a second filament forming on one hand at the level of the crown and the sidewalls a series of transverse portions extending substantially from one bead of the tire to the other, and on the other hand, at the level of the beads, U-shaped connections joining two successive transverse portions of the second filament,
 - 20 -the respective paths of the first and second filaments being arranged such that, between the crown and the bead, a group of filaments formed by a first and a second adjacent filaments forms at least a portion of substantially parallel paths.
- 25

FIGURE 12a